

Fig. 1

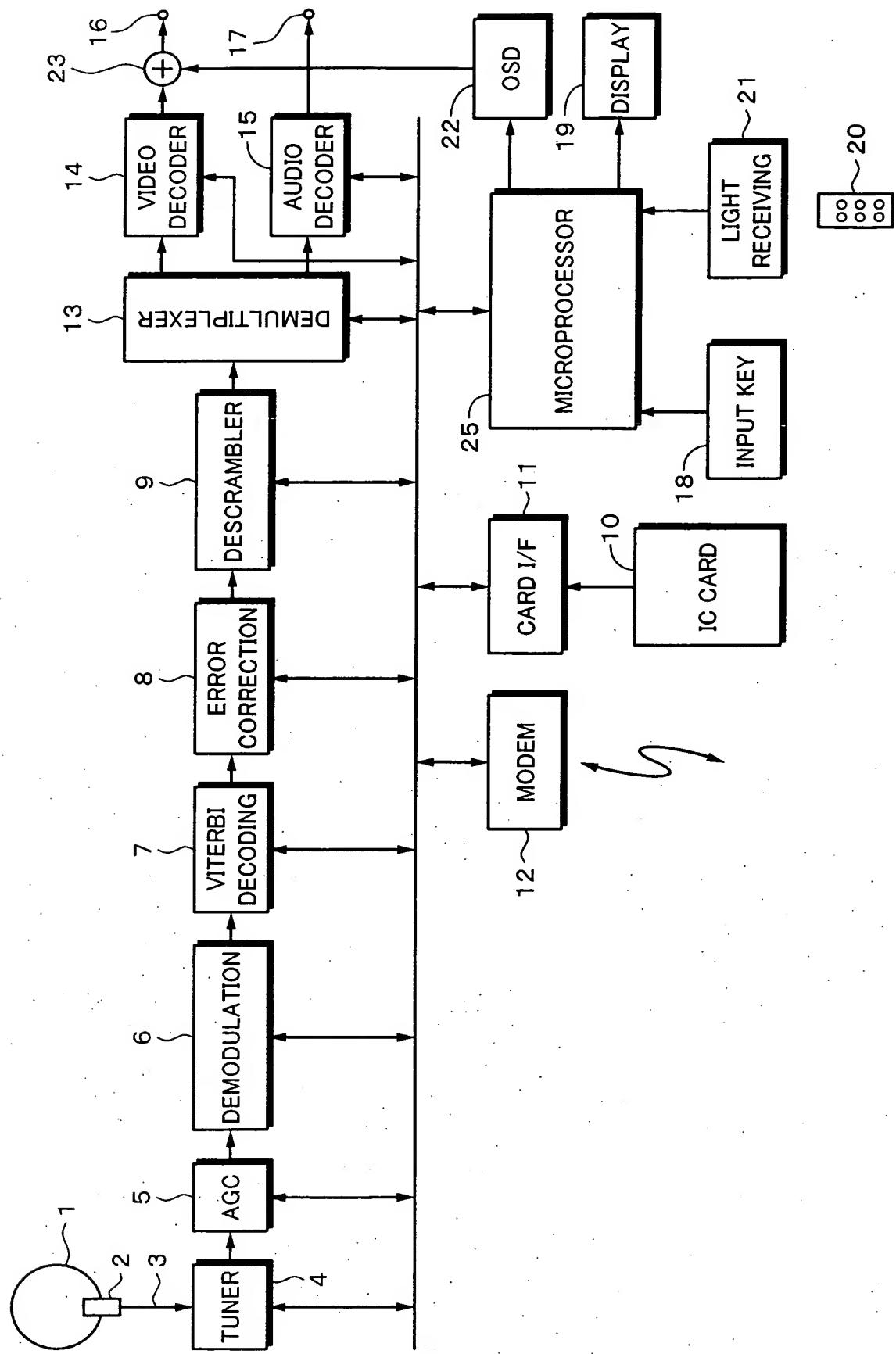
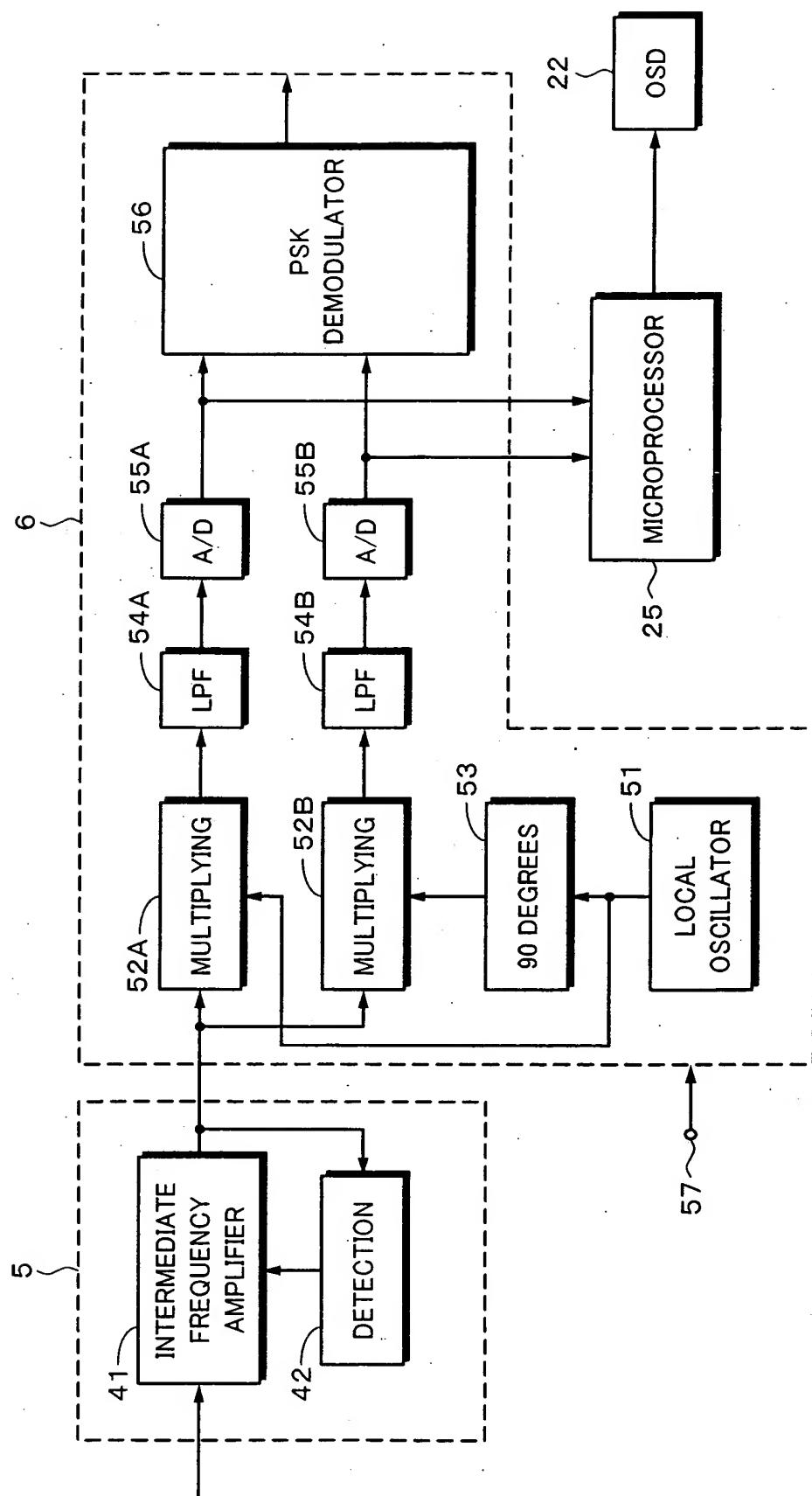
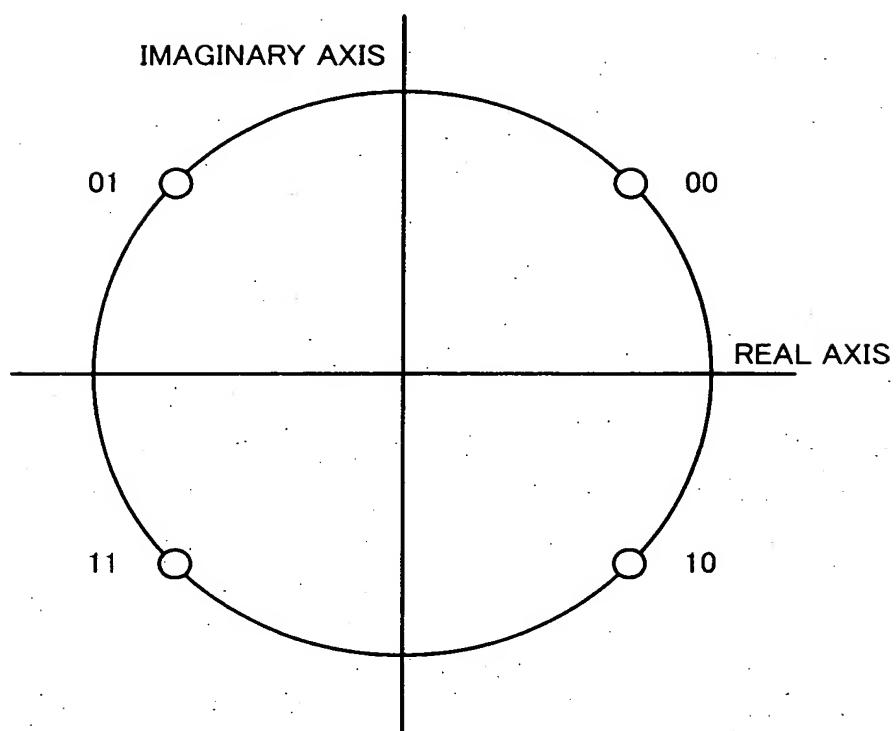


Fig. 2



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Fig. 3



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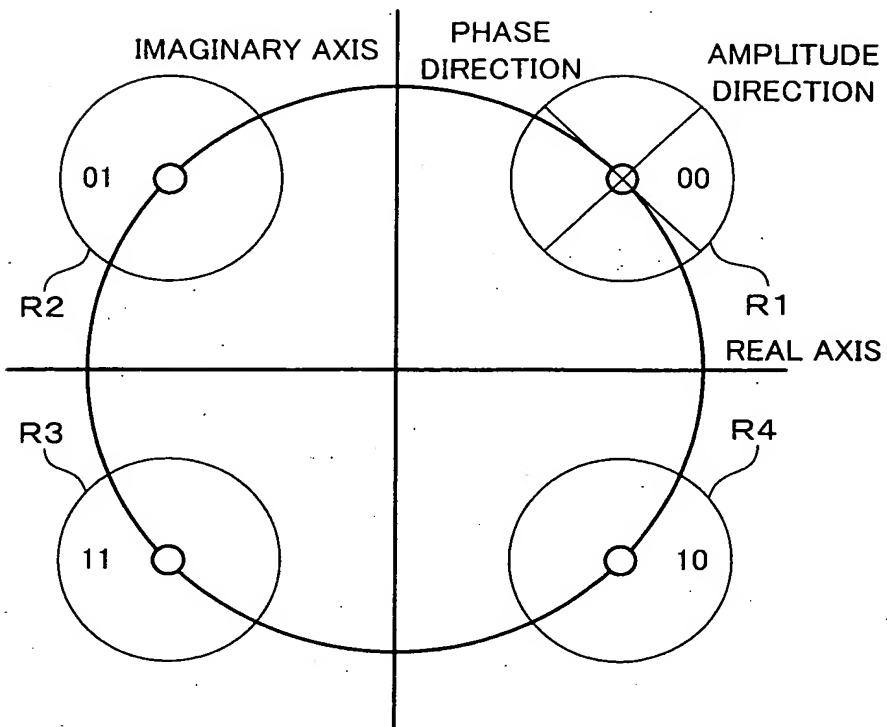


Fig. 4A

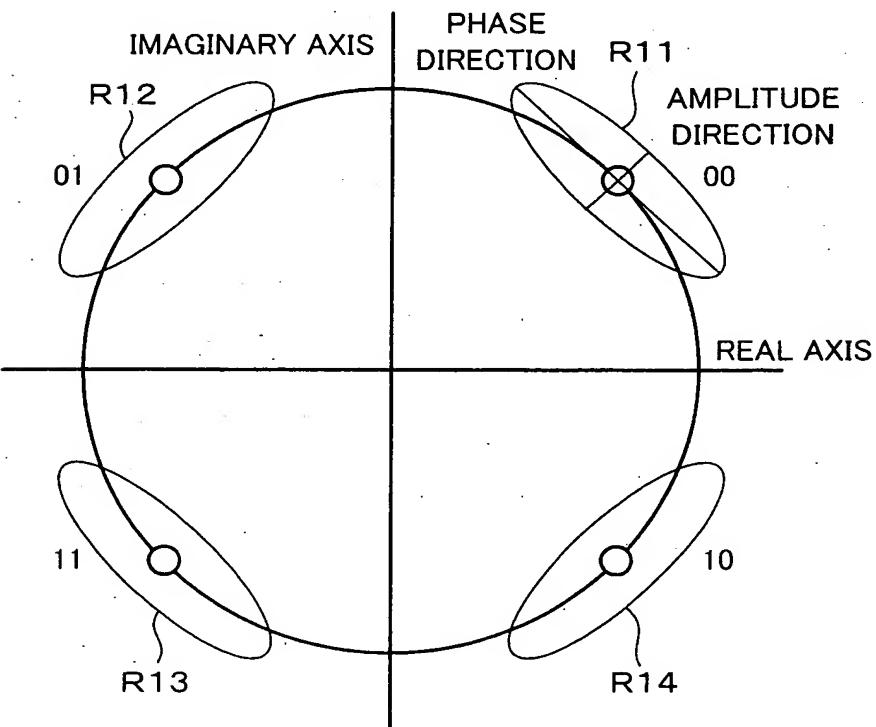


Fig. 4B

Fig. 5

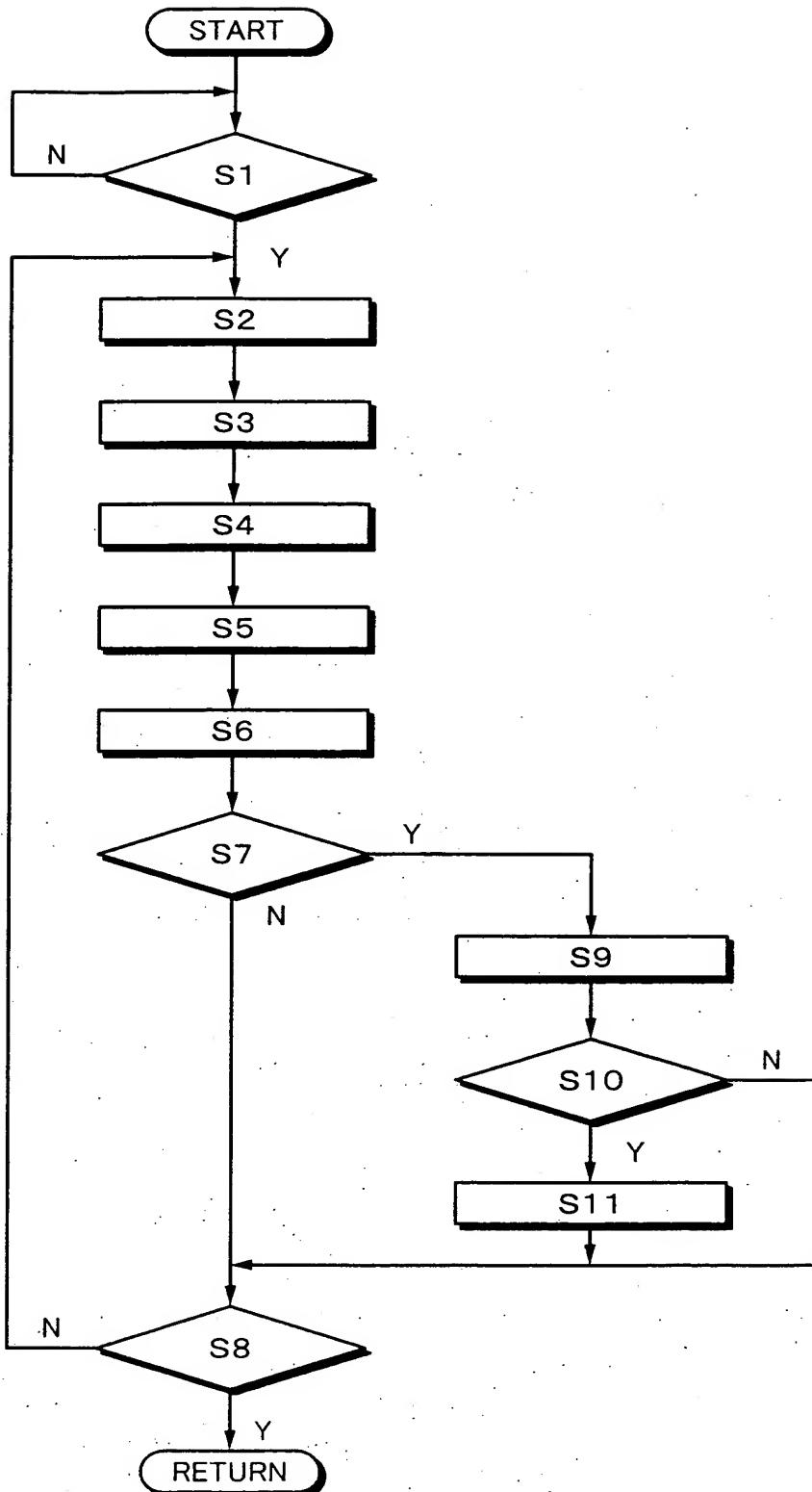
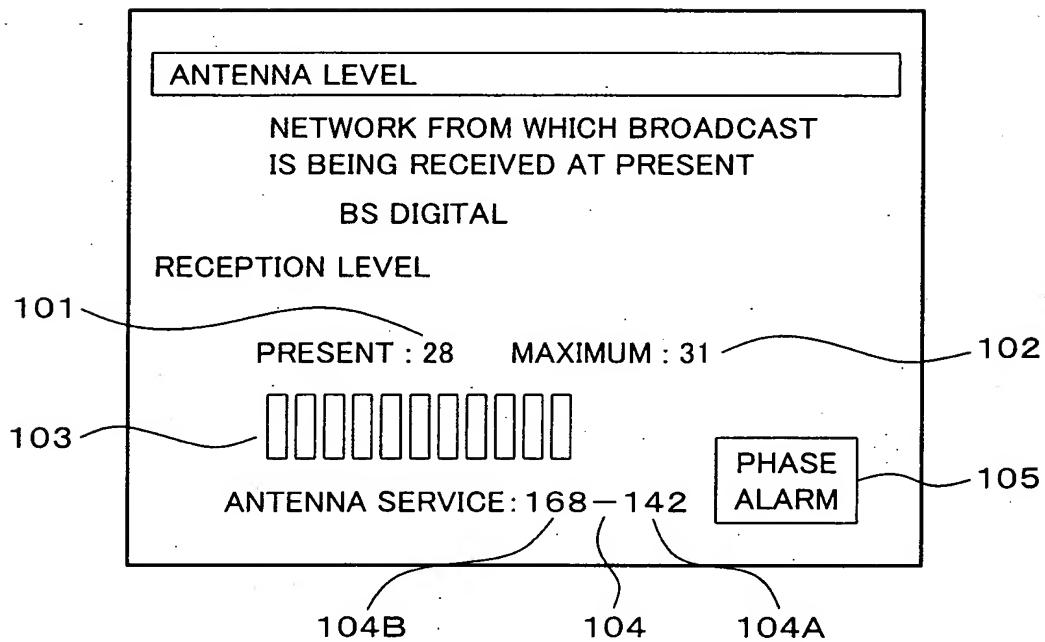


Fig. 6

DESCRIPTION OF REFERENCE NUMERALS

- 1 PARABOLA ANTENNA
- 2 LNB
- 4 TUNER CIRCUIT
- 5 AGC CIRCUIT
- 6 DEMODULATION CIRCUIT
- 22 OSD CIRCUIT
- 25 MICROPROCESSOR
- 52A, 52B MULTIPLYING DEVICE
- 56 PSK DEMODULATION CIRCUIT
- 101 INDICATOR THAT INDICATES PRESENT RECEPTION LEVEL
- 102 INDICATOR THAT INDICATES MAXIMUM VALUE OF RECEPTION LEVELS THAT HAVE TAKEN PLACE UNTIL NOW
- 103 BAR INDICATOR THAT INDICATES RECEPTION LEVEL
- 104 INDICATOR THAT INDICATES ANTENNA SERVICE
- 105 ALARM INDICATOR THAT INDICATES PHASE NOISE AND PARASITIC OSCILLATION
- S1 ANTENNA LEVEL INDICATION MODE
- S2 RECEIVE SATELLITE BROADCAST.
- S3 DETECT AMPLITUDES IN AMPLITUDE DIRECTION OF SIGNAL POINTS AND AMPLITUDES IN PHASE DIRECTION OF SIGNAL POINTS.
- S4 CALCULATE CN_R AND CN_I.
- S5 INDICATE CN RATIOS ON SCREEN.
- S6 COMPARE CN_R WITH CN_I AND DETECT PHASE NOISE AND PARASITIC OSCILLATION.

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S7 DO PHASE NOISE AND PARASITIC OSCILLATION TAKE PLACE ?
S8 HAS ANTENNA LEVEL INDICATION MODE BEEN TURNED OFF ?
S9 INDICATE ALARM REPRESENTING THAT PHASE NOISE AND PARASITIC
OSCILLATION TAKE PLACE.
S10 DETERMINE WHETHER TO COMPENSATE PHASE.
S11 COMPENSATE PHASE.